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 December 2002 **Proceedings of the tenth ACM international conference on Multimedia MULTIMEDIA '02**

Publisher: ACM Press

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Multimedia data security is very important for multimedia commerce on the Internet such as "pay-per-view" services. Thus, watermarking algorithms for data security appear. These algorithms describe methods and technologies that allow information to be hidden, for example a number or text, into a media, such as images, video, audio files... In this paper, we propose a new application of watermarking based on a scrambling process. In this application, we develop a waterscrumbling technique in which ...

Keywords: motion vector, watermarking, waterscrumbling

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Bijan G. Mobasser, Michael P. Marcinak

 August 2005 **Proceedings of the 7th workshop on Multimedia and security MM&Sec '05**

Publisher: ACM Press

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In this work we propose a new algorithm for fragile, high capacity yet file-size preserving watermarking of MPEG-2 streams. Watermarking is done entirely in the compressed domain, with no need for full or even partial decompression. The algorithm is based on a previously developed concept of VLC mapping for



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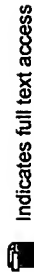
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